

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** January 22, 2004

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** Traces of precipitation over the past week with 0.25" on 1/18.

| Areas of Inspection     | Observation   | Recommended Action  |
|-------------------------|---|---|
| Access Roads            | <ul style="list-style-type: none"><li>- Extreme freezing conditions have continued to stabilize the entire yard and existing access road and ROW. 1/15-1/22/04</li><li>- The access roads had turned icy in the past days and sanding was required. The sand and snow are reducing the effectiveness of the stone pads and some sand is being tracked on the roadway. 1/22/04</li></ul> | <ul style="list-style-type: none"><li>- None at this time. Continue to monitor. 1/15-1/22/04</li><li>- None at this time. The amounts of sediment on the roadway are not major and it consists of typical road sand which would be used by the city to sand the roadways anyway. If the amount of sand continues to build, consider sweeping. 1/22/04</li></ul> |
| Foundation construction | <ul style="list-style-type: none"><li>- Several new poles have been installed within the previously excavated holes. 1/22/04</li><li>- Precast foundations are being placed outside of the substation yard. Excavation is controlled and all areas are within the silt fence. 1/22/04</li></ul>   | <ul style="list-style-type: none"><li>- Continue to monitor any potential impacts to the silt fence during work on the poles. 1/22/04</li></ul>   |

| Areas of Inspection   | Observation  | Recommended Action  |
|---|--|---|
| Erosion and Sediment Controls<br>(includes inspection within 24 hours of a storm event) | - Frozen conditions and light snow cover at the site continue to prevent potential issues. 1/22/04   | - Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22/04  |
|   | - Silt fence remains well in place and is effectively preventing sediment from entering the river. 1/15-1/22/04  | - Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. Keep up with silt fence repair as needed and be proactive 1/15-1/22/04   |
|   | - Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-1/22/04<br><br>-The soil is frozen and shows no indication of movement at this time. 1/22/04 | - The status of the stockpile and the weather will be monitored carefully in the next few months. A second barrier of silt fence should be placed at the toe of the pile at a feasible opportunity between now and a time when thawing begins to occur and rains are forecasted. Portions of the pile may have been utilized by this time. 1/15-1/22/04 |
|   | - The gravel tracking pad and haybale check dam are still in place at the swale in addition to the continuous silt fence barrier. The area is also covered with snow. 1/22/04                                      | - Continue to monitor and install clean rock when necessary. 1/22/04  |
|   | - Some minor tracking of sediment was observed on New Canaan Ave from the traffic on the access road. As noted previously, this consists of road sand. 1/22/04   | - Continue to monitor and if the amount continues to build up, consider street sweeping. 1/22/04  |
|   | - The temporary sediment basin has been completed in excavation. 1/22/04   | - Once the basin is in use, monitor outlets for any sediment laden flows 1/22/04  |
|   | - A riprap overflow outlet is being constructed and an overflow pipe has been completed. Silt fence was removed in this small area to perform the work. 1/22/04  | - Staked haybales will be placed where the silt fence was removed and haybales will be placed across the outlet to serve as a check dam. Hay mulch will also be placed on the disturbed soil in this location. 1/22/04  |

| Areas of Inspection  | Observation  | Recommended Action   |
|--|--|--|
| Erosion and Sediment Controls contd.                                       | <ul style="list-style-type: none"> <li>- Some small piles of sediment were placed outside of the silt fence at the far end of the site. The soil was displaced from some borings but will be graded back into place shortly. 1/22/04</li> </ul>  | <ul style="list-style-type: none"> <li>- The frozen conditions again pose no potential impacts, however the piles should be graded back within the containment of the silt fence as soon as possible. 1/22/04</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>- Excavation of the non-hazardous, contaminated soil began recently. The exposed soil is a good distance from the silt fence and is under control at this time. 1/22/04</li> </ul>  | <ul style="list-style-type: none"> <li>- None at this time. When the excavation is completed in the future, the disturbed soil will be stabilized. 1/22/04</li> </ul>  |
| Inland Wetland and Watercourse encroachment and mitigation                 | <ul style="list-style-type: none"> <li>- The silt fence remains in place and the excavation of the temporary sediment basin is complete. There are no signs of any sediment beyond the silt fence barrier or within the river 1/22/04</li> <li>- The riprap overflow outlet is being constructed to the river's edge at this time. The silt fence was removed for this task but staked haybales will be placed. 1/22/04</li> </ul> | <ul style="list-style-type: none"> <li>- Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22/04</li> <li>- As noted above, the area will be mulched with hay and protected by haybales. The frozen ground poses no potential impacts to the river at this time. 1/22/04</li> </ul> |
| State species of concern, threatened and endangered species                | <ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>  | <ul style="list-style-type: none"> <li>- N/A</li> </ul>  |
| Vegetative clearing limits (including trees to save or danger trees noted) | <ul style="list-style-type: none"> <li>- No additional clearing has occurred although work is ongoing in cleared areas. 1/15-1/22/04</li> <li>- The excavation of the contaminated soil has resulted in more disturbed area on site however, everything is contained appropriately. 1/22/04</li> </ul>   | <ul style="list-style-type: none"> <li>- The areas near the river still appear stable. There is no erosion on the banks or sedimentation to the water. 1/15-1/22/04</li> <li>- The more vegetation left in place at the river, the more stable the bank will be. 1/22/04</li> </ul>  |

| Areas of Inspection                   | Observation  | Recommended Action   |
|---------------------------------------|--|--|
|                                       |  |  |
| Dewatering                            | _ No dewatering activities are occurring at this time 1/22/04  | - None at this time 1/22/04  |
| Blasting                              | - No blasting is occurring on site at this time 1/15/04  | - None at this time 1/15/04  |
| Spills                                | - No spills were reported during the past week or were observed during the inspection. 1/22/04   | <p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak.</p> |
| Additional/Miscellaneous Observations | <p>- If any plowing is necessary, snow will remain on the work side of the silt fence and will not be deposited closer to the river.</p> <p>- Excavation of the contaminated soil is now ongoing. A number of loads of sediment have been driven off site appropriately. 1/22/04</p> |  |

**Next likely scheduled inspection:**

Wednesday January 28, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements

made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** *Diana L. Walden*



WETLAND BOUNDARY SIGNS WERE PLACED ALONG THE FLAGGED EDGE OF THE WETLAND RESOURCE AREA. NOTED 1/15/04





VIEW OF A NEWLY INSTALLED (SNOW COVERED) STONE BERM NEAR THE NORWALK RIVER. THE BERM WILL HELP TO STABILIZE AREAS NEAR THE BANK UNTIL SITE COMPLETION. 1/15/04



VIEW OF THE CONTINUING EXCAVATION FOR THE TEMPORARY SEDIMENT BASIN. THE BASIN IS ANTICIPATED FOR COMPLETION EARLY NEXT WEEK. 1/15/04



VIEW OF STONE SWALE WHICH WILL DIRECT DRAINAGE TO THE SEDIMENT BASIN. THE SWALE IS LOCATED NEAR THE BASE OF THE TOPSOIL STOCKPILE.  
1/15/04





VIEW OF THE BACK OF THE TOPSOIL STOCKPILE ADJACENT TO THE PERIMETER SILT FENCE. A SECOND SILT FENCE IS RECOMMENDED FOR INSTALLATION AT THE BASE OF THE STOCKPILE PRIOR TO ANY THAWING TRENDS OR RAIN EVENTS.  
1/15/04